

PATENT
CWIRE-001DIVIN THE CLAIMS:

1-14. (canceled)

15. (currently amended) A method for manufacturing a guidewire suitable for measuring features within a vessel, the method comprising:

providing a core wire having ~~proximal and distal sections~~ a proximal section and a distal section, the distal section at least partially defining a distal outer surface of the guidewire;

~~coating portions~~ at least a portion of the distal section with a mask;

exposing the core wire beneath the mask at a plurality of predetermined locations;

depositing a radiopaque material at the predetermined locations; and

removing the mask to provide a plurality of equally spaced radiopaque markers on the distal section.

16. (original) The method of claim 15 further comprising tapering the distal section of the core wire.

17. (original) The method of claim 15 wherein depositing a radiopaque material at the predetermined locations comprises electroplating gold onto the predetermined locations.

18. (original) The method of claim 15 further comprising coating the guidewire with a lubricious coating.

19. (original) The method of claim 15 wherein removing the mask includes chemically dissolving the masking.

20. (currently amended) ~~The method of claim 15 further comprising~~ A method for manufacturing a guidewire suitable for measuring features within a vessel, the method comprising:

providing a core wire having a proximal section and a distal section;

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coating at least a portion of the distal section with a mask;
exposing the core wire beneath the mask at a plurality of predetermined locations;
forming indentations at the predetermined locations ~~prior to depositing the radiopaque~~
~~materials;~~
depositing a radiopaque material within the indentations at the predetermined
locations; and
removing the mask to provide a substantially smooth outer surface of the distal
section.

Claims 21-29. (canceled)